# 源创星电子（深圳）有限公司

Yuanchuangxing electronics (Shenzhen)CO.,LTD.

Customer Name: 慧眼视讯

Customer Moder: 8401HD

Customer P/N: 41-1420000113

Customer Describe:

YCX P/N: YCX98N-400

Customer Describe: 洋白铜2.4G/5G 双频天线

# PRODUCT SPECIFICATION

| Signature and seal of confirmation | | | | | |
|---|---|---|---|---|---|
| YCX Approved | | | Customer Approved | | |
| Sample | audit | approved | validation | audit | approved |
| 邹杨辰 | 王春江 | | | | |
| YCX Approved By | | | Customer Approved By | | |
| Date | 2022-10-13 | | Date | 2022-10-13 | |

# 源创星电子（深圳）有限公司

Yuanchuangxing electronics (Shenzhen)CO.,LTD

## File for amendment/revocation/resume

| Version | Date | Production/revised content | develop | Approved | Note |
|---|---|---|---|---|---|
| A1 | 2022.10.13 | | 邹杨辰 | 王春江 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

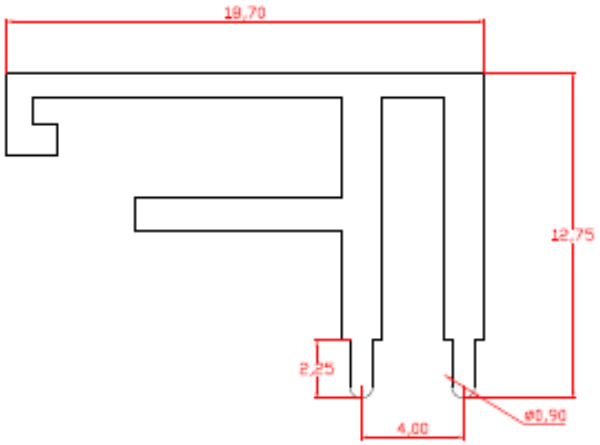
# 3、Directory

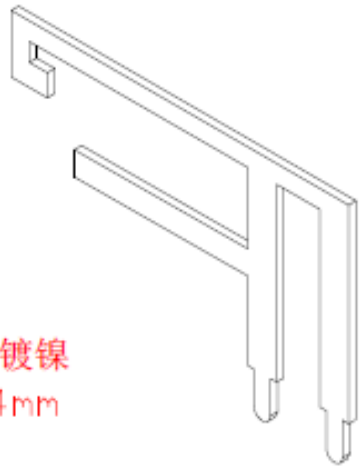
1、directory.....1
2、File for amendment/revocation/resume.....2
3、directory.....3
4、Product drawings.....4
5、Passive performance test paramete.....5
6、2D、3D Performance figure.....6
7、Electrical performance test report.....7

4、Product drawings

www.yuanchuangxing.cn

| REV. | CHANGE DESCRIPTION | DATE | SIGNATURE |
|---|---|---|---|
| A1 | New | 2022.10.13 | zyc |



洋白铜镀镍
厚度0.4mm

Technical requirements:

1. Electrical parameters:
   - 1.1 Impedance : 50Ω
   - 1.2 Frequency :2.4~2.5GHz&&5.15~5.85Ghz
   - 1.3 VSWR : < 2.5
2. Mechanical properties:
   - 2.1 Storage Temperature Range: -40 TO +85° C
   - 2.2 Operating Temperature Range: -40 TO +85° C
3. All material must meet ROHS request
4. Mark(△)as the key control dimensions

| NO. | PART OR IDENTIFYING NO. | NOMENCLATURE OR DESCRIPTION | QTY | UNIT |
|---|---|---|---|---|
| ④ | | | 1 | PCS |
| ③ | | | 1 | PCS |
| ② | | | 1 | PCS |
| ① | | | 1 | PCS |

| TOLERANCE | |
|---|---|
| .XXX | ±0.05 |
| .XX | ±0.1 |
| .X | ±0.2 |
| X | ±0.25 |
| XX | ±1 |
| XXX | ±2 |
| UNIT mm | |
| MATERIAL | AS DIMENSION |

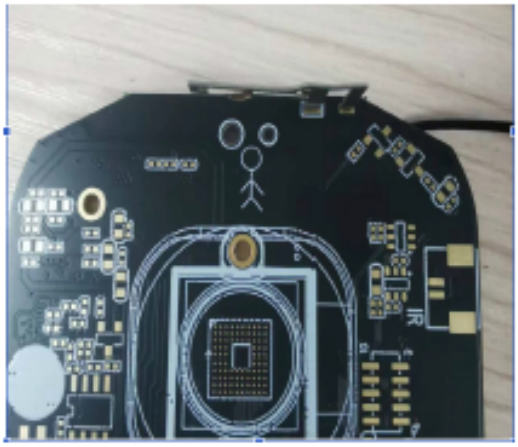
源创星电子（深圳）有限公司
Yuanchuangxing electronics (Shenzhen)CO.,LTD.

| | | |
|---|---|---|
| DRAWED BY | zyc | PART NO.: YCX98N-400 |
| CHECKED BY | Mike | TITLE: 洋白铜镀镍插焊式2.4G/5G L18.7*W12.75*T0.4 |
| APPROVED BY | Sky | |
| SCALE : 1 : 1 | | CAD FILE: / DWG TYPE: PRODUCT DRAWING |

www.yuanchuangxing.cn

## 5、Passive performance test parameters

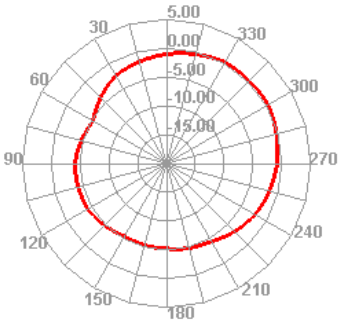
| Frequency(GHz) | 2.4 | 2.45 | 2.5 | 5.15 | 5.55 | 5.85 |
|---|---|---|---|---|---|---|
| VSWR | 1.31 | 1.18 | 1.21 | 1.97 | 1.39 | 1.70 |



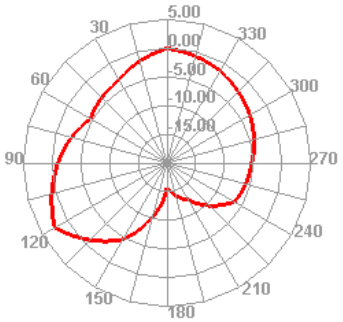
## 6、 2D、3D Performance figure

| Passive Test For WiFi | | | | |
|---|---|---|---|---|
| Freq (MHz) | Effi (%) | Gain (dBi) | | |
| 2400 | 65 | 2.52 | | |
| 2450 | 69 | 3.07 | | |
| 2500 | 69 | 2.97 | | |
| 5150 | 50 | 1.17 | | |
| 5500 | 60 | 2.44 | | |
| 5850 | 65 | 2.30 | | |

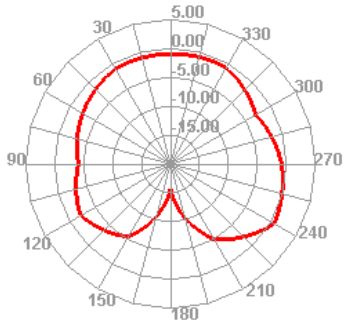
2400.000MHz H



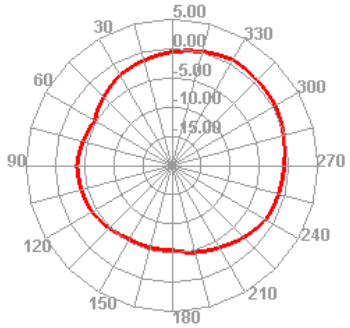

2400.000MHz E1



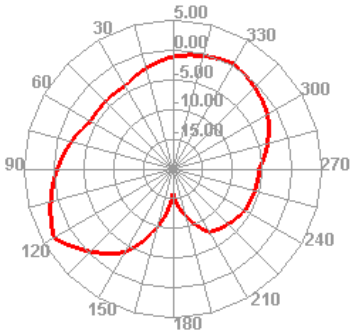

2400.000MHz E2



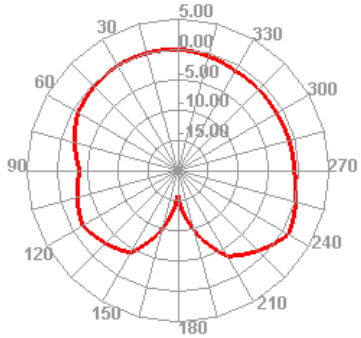

2450.000MHz H



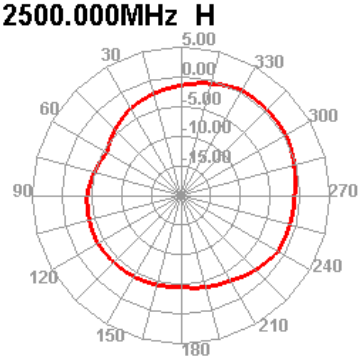

2450.000MHz E1



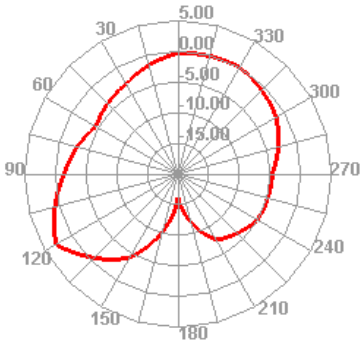

2450.000MHz E2



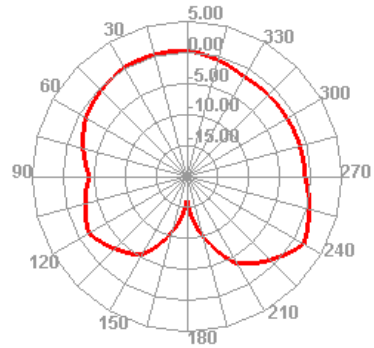

2500.000MHz H




2500.000MHz E1

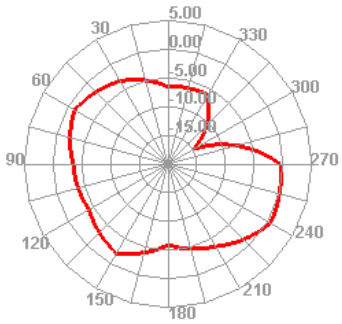



2500.000MHz E2

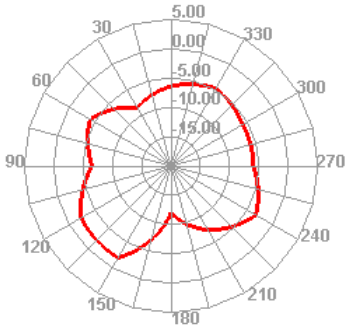


## 6、 2D、3D Performance figure

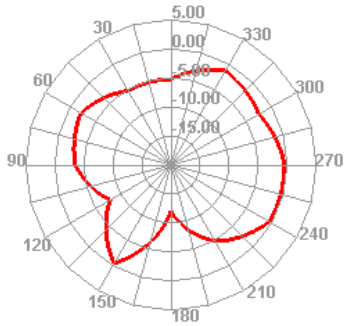
5150.000MHz H



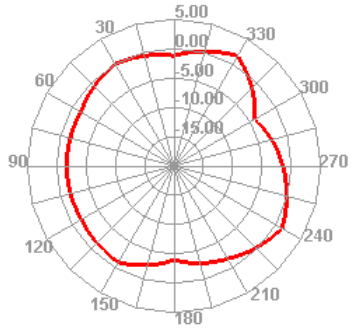

5150.000MHz E1



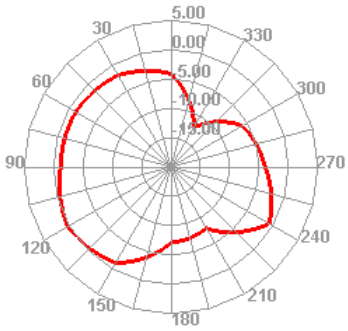

5150.000MHz E2



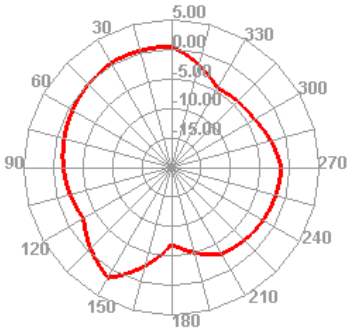

5500.000MHz H



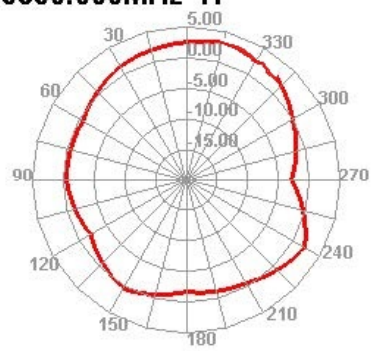

5500.000MHz E1



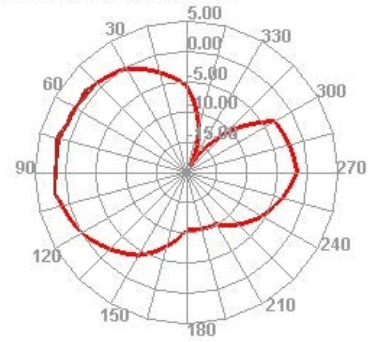

5500.000MHz E2



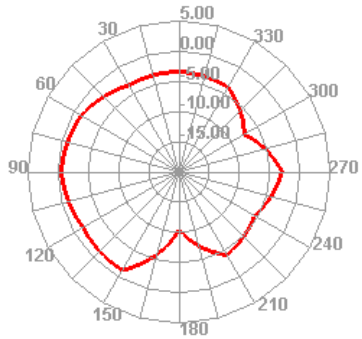

5850.000MHz H




5850.000MHz E1




5850.000MHz E2



7、Electrical performance test report

| Electrical parameters | | |
|---|---|---|
| Frequency range | | 2.4GHz-2.5GHz&&5.15-5.85Ghz |
| input impedance | | 50Ω |
| VSWR | | <2.0 对照样品测试图形 |
| Gain | 2.4G-2.5G | MAX 3.07dBi |
| | 5.15G-5.85G | MAX 2.44dBi |
| Polarization mode | | Vertical polarization |
| Radiation direction | | omnidirectional |
| connection method | | IPEX |
| 机械参数 | | |
| Cable | | |
| Salt spray test | | |
| | | |
| | | |
| Environmental parameters | | |
| Working temperature | | -40~85℃ |